

**SYSTEM AND METHOD FOR COMBINING
SIGNALS AT MULTIPLE BASE STATION RECEIVERS**

ABSTRACT OF THE DISCLOSURE

There is disclosed a system and method wherein signals generated by a mobile station and received at multiple base transceiver stations, are combined utilizing signal processing techniques. Signals received at non-target Base station transceivers are directed, by each non-target BTS, to a target BTS where a combiner is utilized to assemble the received signals (bits) into a packet, or frame, and to determine if an error condition exists. The error condition of the frame or packet determines whether to utilize BTS power control circuitry to notify the mobile station to adjust the mobile station transmit power up or down.